

SECRET

7 MAR 1963

CUT 50743

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CS
ACL
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FILE

25X1

2. FOLLOWING EQUIPMENT LATEST OF ITS TYPE. DESCRIPTIONS
NECESSARILY BRIEF, BUT HOPE IT SERVES PURPOSE.

3. RICHARDSON 705M VIEWER:

SPECIFICATIONS: REAR PROJECTION VIEWER ACCEPTING 35MM TO
9 1/2" WIDE FILMS IN ROLL FORM AND PRESENTING A 5" X 5" IMAGE AT
THE FILM GATE ON A 30" X 30" SCREEN AT 5X, 15X AND 30X MAGNIFICATION.
RESOLUTION AT THE SCREEN APPROX 5 L/MM AT 30X ASSUMING THE
ENTIRE SYSTEM IS OPERATING AT ITS DESIGN OPTIMUM OF 200 L/MM.

MANUFACTURER: RICHARDSON CAMERA COMPANY , 2526 N. ONTARIO
STREET, BURBANK, CALIFORNIA.

COST:

DELIVERY: SEPTEMBER 1963 FOR CURRENT ORDERS.

4. RICHARDSON 705R READER:

SPECIFICATIONS: SAME AS FOR 705M VIEWER PLUS A MEASURING
ENGINE WITH A PLUS 25 MICRON ACCURACY OVER A 36" TRAVEL AND A
PLUS 10 MICRON REPEATABILITY. MUST MATCH CUSTOMERS COMPUTER.

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

25X1

Declassification Review by NGA/DoD

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MANUFACTURER: SAME AS FOR 705M VIEWER.



25X1

DELIVERY: APPROX 9 MONTHS (PROTOTYPE CURRENTLY IN FABRICATION.)

5. VARIABLE POWER STEREOVIEWER:

SPECIFICATIONS: A BRIDGE TYPE OPTICAL HEAD PROVIDING CONTINUOUSLY VARIABLE MAGNIFICATIONS FROM 2.5 X TO 36X. RESOLUTION OF 6 L/MM PER POWER UP TO 120 L/MM AND INDEPENDENT IMAGE ROTATION OF 360 DEGREES. THIS AR-26-A OPTICAL HEAD MAY BE MOUNTED OVER A VARIETY OF LIGHT TABLES, SUCH AS THE RICHARDS CORP 924-2XY TABLE, OR ON ITS OWN BASE FOR CONVENTIONAL PHOTOGRAPHY.

MANUFACTURER: BAUSCH AND LOMB, ROCHESTER, NEW YORK.

COST: DEPENDENT UPON COMBINATION DESIRED.

DELIVERY: 4 TO 6 MONTHS.

6. GFL 940 MC LIGHT TABLE:

SPECIFICATIONS: A LIGHT TABLE WITH 11" X 40" VIEWING AREA AND A MICROSCOPE CARRIAGE SUSPENDED OVER THE TABLE FOR THE BAUSCH AND LOMB MC-1 OR MC-2 OPTICS KITS. REEL BRACKETS ARE ADJUSTABLE FOR ONE OR TWO REELS OF FILM (TWO REELS OF ANY WIDTH UP TO 5", ONE REEL UP TO 9 1/2"). THE MERCURY-ARGON LIGHT GRID

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IS INFINITELY VARIABLE THROUGH AN INTENSITY RANGE OF 0 TO 900
FT LAMBERTS.

MANUFACTURER: RICHARDS CORP, 1514, N. QUINCY ST, ARLINGTON,
VA.

25X1

DELIVERY: 30 DAYS FOR TABLE 90 DAYS FOR OPTICS

7. GFL 918X LIGHT TABLE:

SPECIFICATIONS: A TILTING AND ROTATABLE LIGHT TABLE WITH
A 11" X 18" VIEWING SURFACE LIT BY AN INFINITELY VARIABLE MERCURY-
ARGON LIGHT GRID. MOUNTED ON A BALL AND SOCKET SUSPENSION.
TABLE MAY BE TILTED IN ANY DIRECTION 35 DEGREES AND ROTATED
170 DEGREES IN EITHER DIRECTION. SPECIAL ACCESSORIES ARE
AVAILABLE SUCH AS MYLAR TRANSPORT BELTS, ADJUSTABLE SINGLE OR
DOUBLE REEL BRACKETS (TYPE 795-2), SEGMENTED NYLON GUIDE ROLLERS
AND ENGRAVED GRIDS ON THE VIEWING SURFACE.

MANUFACTURER: RICHARDS CORP, 1514 N. QUINCY ST, ARLINGTON,
VA.

 (ENGRAVED GRID EXTRA)

25X1

DELIVERY: 30 DAYS.

8. ZOOM 70 STEREOSCOPE MODELL II AND ACCESSORIES (NAVY TYPE
AR-42B) (RICHARDS CORP MC-2):

SPECIFICATIONS: A ZOOM DUAL OPTICAL PATH MICROSCOPE WITH

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A BASIC RESOLUTION OF 175 L/MM AND THROUGH ACCESSORIES A MAGNIFICATION RANGE OF 3X TO 120X. A CLIP-ON RHOMBOID PRISM ASSEMBLY PERMITS STEREO VIEWING OF FILMS HAVING A CONJUGATE IMAGE SEPARATION OF NO MORE THAN 4 1/2". WHEN MOUNTED ON AN APPROPRIATE CARRIAGE SUCH AS THE RICHARDS CORP 940 MC TABLE, MAY BE USED TO SCAN ROLL FILM.

MANUFACTURER: BAUSCH AND LOMB, ROCHESTER, NEW YORK.



25X1

DELIVERY: 90 DAYS.

9. NAVY HIGH MAGNIFICATION DIRECT VIEWING EQUIPMENT. PROTOTYPE CURRENTLY IN EVALUATION AT NAVY PIC. MANUFACTURER OPTOMECHANISMS, INC. COST UNKNOWN. AVAILABILITY UNKNOWN. SUITABLE FOR STEREOSCOPIC VIEWING OF ROLL OR CUT FILM TRANSPARENCIES, POSITIVE OR NEGATIVE, OF VARYING FORMAT SIZE. PROVISIONS, FOR VARIABLE MAGNIFICATION FROM 5X THROUGH 50X. MOTORIZED SCAN OF SUBJECT AREA UTILIZING FIBER OPTICS, OPTICAL AND/OR MECHANICAL ADJUSTMENT FOR VARIATIONS IN RELATIVE ORIENTATION, DIFFERENTIAL SCALE, NON-STANDARD SPACING. FILM TAKE-UP TO 12 FT BETWEEN STEREO EXPOSURES. MAXIMUM RESOLUTION REQUIREMENT OF 400 L/MM.

10. STRONGLY SUGGEST YOU PLAN TO ATTEND ANNUAL PHOTOGRAMMETRY

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SOCIETY MEETING IN WASHINGTON 24 - 30 MARCH WHERE LATEST EQUIPMENT
WILL BE DISPLAYED BY MANUFACTURERS. COULD ALSO SPEND TIME
VERY BENEFICIALLY AT TO DISCUSS SAME. AT BEST CABLE IS
NOT EFFICIENT MEANS FOR DESCRIBING TECHNICAL EQUIPMENT IN DETAIL.
PARTICULARLY COMBINATIONS AND VARIATIONS.

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